

#### ABSTRACT OF THE DISCLOSURE

A data signal to a CATV station and a down signal from the CATV station are branched by a duplexer, the data signal is output to a duplexer through a return pass amplifying circuit while the down signal branched by  
5 duplexer is converted to a first intermediate frequency signal by an up converter IC, and further converted to a second intermediate frequency signal by a down converter IC and output.

10046300-011602